



On the Water Front

Tucson has changed almost beyond belief in the past 100 years and so has Tucson Water.

From a tiny desert community and a “home town”

water utility, we’ve both grown to proportions undreamed of 100 years ago.

Just a few of the many things that have changed for Tucson Water over the years include:

- Water quality regulations: Each month we make sure our water meets more than 80 quality standards that didn’t exist in 1900.
- Reclaimed water: Developed in the 1980s, the reclaimed water system delivers 3 billion gallons of treated wastewater each year to golf courses, parks, and schoolyards.
- Wells and water: In 1900 we operated eight wells pumping 376 million gallons of groundwater a year. Today our 196 wells pump 38 billion gallons in 12 months.

Serving water to more than 670,000 people in a city perched on the edge of a desert is a huge responsibility and, thanks to many good people and wise professionals, during the last 100 years we’ve done a good job of meeting that challenge.

Like many companies, we’ve made our mistakes, but have always learned from them, moved forward and have become a better water provider for the changes that those mistakes encouraged.

In our 100th year, we are moving forward to the use of a new water supply – a blend of recharged Colorado River water and groundwater. The Clearwater blend is a big part of making sure we can continue to supply you with quality water for the next 100 years and finally begin to reduce our reliance on groundwater.

I’m proud to say that in the year 2000, perhaps more than ever before in our 100-year history, Tucson Water can truly say “the future is crystal clear.”

David V. Modeer
Director, Tucson Water

1900 - 2000
100 Years of Serving Tucson

Your Water Connection

News & Tips
FOR
Tucson Water Customers

In This Issue:

- 💧 1900-2000: 100 Years of Serving Tucson
- 💧 How Tucson Water Has Changed Over the Years
- 💧 Are Mosquitoes Bugging You?
- 💧 Employees Make the Difference
- 💧 On the Waterfront

August 2000 <http://www.ci.tucson.az.us/water/>

1900 - 2000

100 Years of Serving Tucson

Years before Arizona became a state, Tucson Water was serving our community. In August 1900 the Tucson City Council established the Water and Sewerage Department of the City of Tucson. This month, Tucson Water (no longer in the sewer business) is celebrating its 100th anniversary. Throughout the next 12 months, we'll share a little of our history and the history of Tucson with you.



Lynn Baker, Project Manager for Tucson Water's Maintenance Management Program, is responsible for most of the historic images and information about Tucson Water that you'll be seeing in this newsletter during the coming months. Lynn is the unofficial historian for the utility.

How Tucson Water has Changed Over 100 Years -

	1900	2000
Customers Served	4,225	670,000
Water Connections	625	190,000
Miles of Water Mains	8	3,893
Wells	11	196



In a 100-Year-Old Utility - Employees Make The Difference

How does a company like Tucson Water provide service excellence for 100 years? It's thanks to the dedication of our employees, who take community service to heart. Many Tucson Water staffers have given most if not all of their professional careers in service to our customers. As of the year 2000, sixteen employees have been members of the Tucson Water team for 30 years or more. Between them, they have given a collective 529 years of service to Tucson.

30 years

David Brito Operations
Leslie Franco Operations
John O'Hare Business Services

34 years

Tom Mundinger Planning and Engineering
Wayne Thureson Planning and Engineering

31 years

Kathy Irwin Water Quality

35 years

Joe Flores Operations

32 years

Ken Pyle Planning and Engineering
Henry Valenzuela Business Services
Jeff Verdugo Operations

36 years

Rene Ballesteros Operations

37 years

Robert Leon Operations
Jesus Sanchez Operations





33 years






Tony Cota Operations
Mary Curiel Operations
Robert Obermeyer Business Services

Are Mosquitoes Bugging You?

Mosquitoes are becoming an increasing problem in the Tucson area. Tucson Water (791-4331) and the City's Citizen and Neighborhood Services Department (791-4605) have detailed information about how you can help control these pesky insects in your neighborhood. You can start solving the problem by checking your

yard and home for places where mosquitoes can breed and eliminating these areas. Some of the most likely are:

-  In flower pot dishes
-  In bird baths
-  In leaf-clogged rain gutters
-  In water from leaky faucets

-  In rain barrels
-  In used tires
-  In overgrown ponds
-  In old bottles and cans
-  In tree holes

Mosquitoes breed wherever water collects. Don't give them a chance to start!

Tucson Water History

By the late 1930s, Tucson Water served more than 32,000 customers. Larger water mains were needed to serve our growing population. These improvements to the water system are being made parallel to the Southern Pacific Railroad tracks in downtown Tucson. Note sign on right, "Cowboys water your pony here."



Visit the Tucson Water Web Site at <http://www.ci.tucson.az.us/water/>



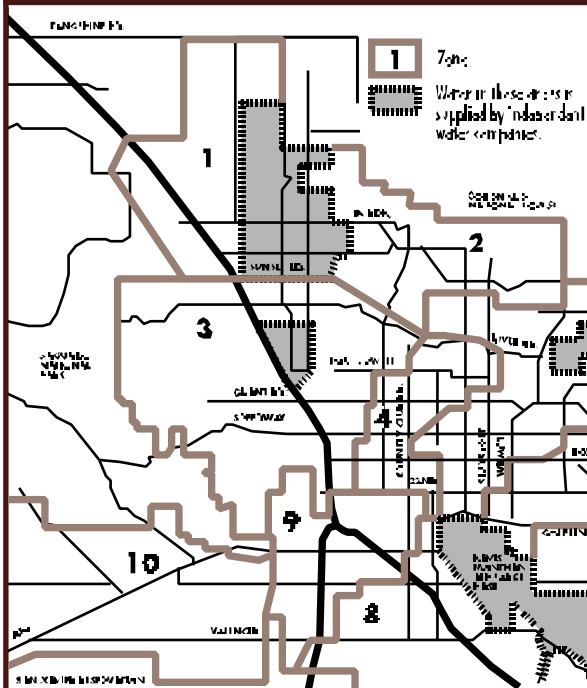
Your Water Connection is produced by Tucson Water.
To receive a copy, or to receive this information in Spanish, call 791-4331 or mail your request to:
Customer Information
P.O. Box 27210
Tucson, AZ 85726-7210

City of Tucson
TTY number: 791-2639

Si usted desea este documento escrito en español, por favor, llame al 791-4331.

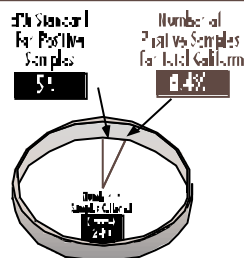
GROUNDWATER QUALITY REPORT - May 2000

Water Quality Zone		1	2	3	4	5	6	7	8	9	10	System Wide
Sodium (ppm)	Average Range	57 37-77	44 37-50	50 23-94	35 27-55	33 23-42	32 23-40	29 22-40	43 36-54	54 32-124	41 34-43	40 22-124
Mineral Content (ppm)	Average Range	401 191-568	296 244-342	332 182-626	220 184-304	222 166-261	234 196-290	223 157-300	315 262-438	314 209-639	222 217-225	270 157-639
Hardness (ppm)	Average Range	188 75-311	135 95-171	152 68-300	92 73-119	95 68-113	105 77-139	100 66-148	149 91-272	122 69-342	74 59-81	118 59-342
pH (units)	Average Range	7.5 7.2-8.0	7.8 7.7-8.0	7.7 7.2-8.0	7.8 7.7-8.0	7.7 7.1-8.1	7.5 7.0-8.0	7.7 6.9-8.1	7.7 7.5-7.9	7.8 7.2-8.0	7.8 7.7-8.1	7.7 6.9-8.1
Temperature (deg F)	Average Range	81 77-88	82 78-88	82 73-90	84 77-95	82 72-88	80 73-85	81 75-86	84 81-90	87 81-92	87 84-90	83 72-95



COLIFORM BACTERIA TESTING RESULTS - May 2000

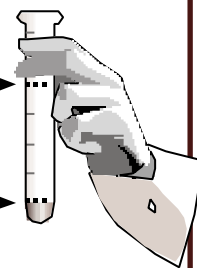
Groundwater Quality Report



Chlorine Level Average

Target = 0.8 to 1.2 ppm

Monthly Average 0.5 ppm



One part per million (ppm) is the same as one second of time in 11.6 days.

To give you a more accurate measurement of the water quality in your neighborhood, the Tucson Water service area has been divided

into 10 zones based on differences in water pressure and water quality. For a detailed description of the zone boundaries, call 791-4331.